

Cortical Projections of Various Divisions of
the Vagus Nerves, by S. M. Zarayskaya, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 2, Jul, Aug 1964, pp 493-497.

CB

Sci
Sep 1965

The Definition of Complexity of Algorithms, by
B. M. Kloss, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol XXX
CLVII, No 3, 1964, pp 38-40.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Asymptotic Formulas for the Eigenvalues of the
Laplace operator in the Case of a Polyhedron,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 3, 1964, pp 236-238.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Method of Successive Approximations for
Determining the Polynomial of Best Approximation,
by G. P. Akilov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 3, 1964, pp 503-505.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Integral Representations of Finite Groups, by
S. D. Berman, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CXVII, No 3, 1964, pp 506-508.

Amer Math Soc
Sov MathDok
Vol V, No 4

Sci
Aug 65

The Behavior of Solutions of Boundary Value Problems
for a Quasilinear Parabolic Equation as $T \rightarrow \infty$,
by Yu. P. Gor'kov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVIII, No 3, 1964, pp 509-512.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Infinitesimal Deformations of a Certain Class of
Ribbed Cylindroids, by M. G. Il'ic-Daivic, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 3, 1964, pp 513-516.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Maps and Quasiconformal in the Mean, by S. L.
Kruskal, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 517-519.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

On an Inverse Problem for the Wave Equation, by
M. M. Lavrent'ev, 3pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 3, 1964, pp 520-521.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Asymptotic Behavior of Solutions of the Cauchy
Problem When the Limit Equation has a Singularity,
by Ilin' Gzum-ci, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 3, 1964, pp 533-535.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Inequalities of Positive Entire Functions in a
Generalized Lebesgue Space, by D. I. Mamedhanov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVIII, No 3, 1964, pp 526-528.

Amer Math Soc
Sov Math-Dok
Vol ν , No 4

Sci
Aug 65

On Realizable and Completable Logico-Arithmetical
Formulas, by N. M. Nagorny, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No3, 1964, pp 529-531.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Uniform Stabilization of a Solution of the Cauchy
Problem for Parabolic Equations, by V. D.

Repnikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 3, 1964, pp 532-535.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

On a Problem Concerning Riemannian Spaces with
Reducible Isotropy Group, by Ya. Sapiro, T. ~~Te~~
Temirov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 3, 1964, pp 539-541.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Universality Problems in the Theory of Growing
Automata, by Ya. M. Barzdin', 3 pp.
RUSSIAN, per, Dok & Ak Nauk SSSR, Vol CLVII, No 3,
Jul 1964, pp 542-545.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

Some Features of Linear ~~Re~~ Codes that Correct
Asymmetric Errors, by R. R. Varshamov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3,
Jul 1964, pp 546-548.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

A New Solution of the Problem of the Motion π
in a Newtonian Field of a Body with Cavities π
Filled with Liquid, by E. I. Kharlamova, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~XX~~ CLVII,
No 3, Jul 1964, pp 549-550.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

Variational Principle in Problems Concerning the Flow of a Thin Layer of Plastic Material, by I. A. Kiiko, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3, Jul 1964, pp 551-553.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Aug 65

Observation of Jupiter's Radio Emission in the
5.5 CM Wave in Pulkovo, by V. Ya. Gol'nev,
N. M. Litovka, et al, 10 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3,
1964, pp 554-556. 9225440
NASA TT F-8949

Sci-ES/A

Mar 65

U.S. GOVERNMENT ONLY

277,052

Binding Energy of Hypertriton in the Case of π
Nonlocal Interactions, by I. Sh. Vashakidze, G. A.
Chilashvili, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3,
Jul 1964, pp 557-560.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

70-13495-18H

Dubrovina, S. M.; Shigin, V. A.

CROSS-SECTIONS OF FISSION OF Pa-231 AND Pu-239
BY NEUTRONS IN THE ENERGY INTERVAL 1.5 -

1500 kev. Akademiya Nauk SSSR. Doklady, v. 157, p.

561-562, 1954. ANL-TRANS-176.

Order from NTC as 70-13496-18H: HC \$ 6.70, MF \$ 5.80.

Ames Ind Phy
for Phy - Stokely
Vol 4, No 7

Statistical Theory of Nonequilibrium Processes
in a Plasma (with Nonlinear Interaction of Waves
in the Kinetic Equations), by Yu. L. Klimonto-
vich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3,
Jul 1964, pp 563-565.

Amer Inst Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

Theory of Transient-State Conduction in Semiconductors of Low Mobility, by M. I. Klinger, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3, Jul 1964, pp 566-569.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

Some Peculiarities of the Dislocation Structure
of Ordered Alloys of the AB_3 Type, by B. A. Grin -
berg, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol X CLVII, No
3, Jul 1964, pp 570-573.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Aug 65

Changes in the Dislocation Structure of Steel
Deformed in Surface-Active Media, by B. I.
Kostetskii, L. F. Kolesnichenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3,
Jul 1964, pp 574-576.

Amer Inst of Phys
USov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

Effects of Mechanical Properties on the Cutting
Rate and Specific Energy Consumption in Ultra-
sonic Machining, by N. V. Kurochkin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 3,
Jul 1964, pp 577-579,

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Am
Sci
Aug 65

Free Oscillation Frequencies of the Earth's
Atmosphere by L. A. Dely.
RUSSIAN JOURNAL OF AERONAUTICS, Vol CLVII, No 3,
1967, pp 50-52.
NASA TT F-5950

Sci-Bar Sci & Astron
Nov 64
U.S. GOVERNMENT ONLY

268,8026

Epitaxial Transformation $U_3O_8 \rightarrow UO_2$ in Pitch-
blendes, by Yu. M. Dymkov, 3 pp. ^{2+x}
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No
3, Jul 1964, pp 583-585.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

8c1
Jul 65

Symmetry of Molecules of Benzene and Related
Compounds, by A. V. Shubnikov, 2 pp.
RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CLVII, No
3, Jul 1964, pp 586-588.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 7

Sci
Jul 65

The Gas-Chromatographic Determination of the Energy
of the Hydrogen Bond in Adsorption Layers, by
L. D. Belyakova, A. V. Kiselev, et al, 4 pp.
RUSSIAN, Per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 3, Jul, Aug, 1964 pp 646-649.

CB

Sci
Jun 65

Paramagnetic Relaxation in Gadolinium Nitrate
Solutions, by G. P. Vishnevskaya, 3 pp.
RUSSUAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 3, Jul, Aug, 1964, pp 650-652.

CB

Sci
Jun 65

Formation of Excited Ethyl Radicals in the Interaction of Hot Hydrogen Atoms with Ethylene, by B. G. Dzantiev, A. P. Shvedchikov, et al, 3 pp. RYSSUABM per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLVII, No 3, Jul, Aug, 1964, pp 653-655.

CB

Sci
Jun 65

Carbon Adsorbents with Molecular-Sieve Properties,
by M. M. Dubinin, O. Kadlets, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 3, Jul, Aug, 1964, pp 656-659.

CB

Sci
Jun 65

The Radiolytic Properties of Amino Acids and Peptides,
by V. A. Sharpatyi, K. G. Yancva, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 3, Jul, Aug, 1964, pp 660-663.

CB

Sci
Jun .65

The Nature of a Reduced Particle Formed by the
Effect of Radiation on Water and Aqueous Solutions,
by V. N. Shubin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No3, Jul, Aug, 1964, pp 664-667

CB

Sci
Jun 65

Relationship Between the Mass of Energy-Forming
and Functioning Structures in the Process of
Adaptation of the Differentiated Cell to a
Prolonged Elevation of the Level of Function,
by F. Z. Meyerson, T. A. Zaletayeva, et al, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol ~~XXXX~~, No 3, Jul, Aug 1964, pp 668-672.
CLVII

CB

Sci
Sep 65

Localization of Lipoprotein Lipase in Certain
Tissues of the Albino Rat, by F. L. Leytes,
B. L. Lempert, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 3, Jul, Aug 1964, pp 672, 673.

CB

Sci
Sep 65

Morphology of the Autonomic Component of the
Depressor Zone of the Arch of the Aorta,
by E. B. Khaysman, N. B. Lavrent'eva, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 3, Jul, Aug 1964, pp 674-678.

CB

Sci
Sep 65

The Formation of Free Porphyrins by Green
Photosynthesizing Bacteria, by
V. I. Uspenskaya, E. N. Kondrat'eva, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLVII,
1961, pp 678-680. 9228312
AEC-UCL-Tr-1180

C O
Sci-11/M
Apr 65

277,063

Formation and Distribution of Aminoacids in a Culture of Actinomyces Levoris 2789 in Relation to the Phase of Development, by V. K. Shaposhnikov, A. N. Bezborodov, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences, Vol CLVII, No 3, Jul, Aug 1964, pp 681-684.

CB

Sci
Sep 65

Regeneration of the Neural Elements of the Left
Ventricle After Injury by Diathermy Coagulation,
by E. V. Gusareva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 3, Jul, Aug 1964, pp 733-8736.

CB

Sci
S-p 65

Antibody-Forming Function in the Dolphin
Phocaena phocaena, by V. I. Luk'yanenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 3, Jul, Aug 1964, pp 737-739.

CB

Sci
Sep 65

The Study of the Protein Metabolism of Heart
Muscle in Atherosclerosis, by Z. A. Sokolova,
D. G. Grigor'yan, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 3, Jul, Aug 1964, pp 740-744.

CB

Sci
Sep 65

The Direct Participation of the Cell Nucleus in
the Formation of the Secretory Protein of
the Parotid Salivary Gland, ~~in Dok Ak Nauk SSSR~~.

by V. Ya. Brodskiy, V. B. Ivanov, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 4, Jul, Aug 1964, pp 443-446.

CB

Sci
Sep 65

Asymptotic Properties of the Trace of the
Spectral Function of A Self-Adjoint Elliptic
Differential Operator of the Second Order, by
A. A. Arsen'yev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVIII, No 4, 1964, pp 761-763.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Existence of Invariant Measures on Boolean
Algebras, by D. A. Vladimirov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 764-766.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Position Operatives, by L. M. Gluskin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 767-770.

Amer Math Soc
Sov Math-Dok
Vol 4, No 4

Sci
Aug 65

A Closed Graph Theorem for Ultracomplete Spaces,
by I. M. Dektjarev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 771-773.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Completeness of a System of Finite-Dimensional
Invariant Subspaces of a Non-Selfadjoint Singular
Differential Operator of Order two with Respect
to a Real Weight Function, by E. M. Ezabraylova,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 774-776.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Reduction of Hilbert's Problem for a Multiply-
Connected Region to Hilbert's Problem with a
Rational Coefficient, by E. I. Zverovic, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 777-780:

Amer Math Soc
Sov MathDok
Vol V, No 4

Sci
Aug 65

A Variational Method in the Theory of Quasiconformal Mappings of Closed Riemann Surfaces, by S. L. Kruskal', 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLVII, No 4, 1964, pp 781-783.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Perturbation of Solutions and Perturbation of
Eigenvalues and Eigenfunctions of Second-Order
Elliptic Equations when there is Perturbation of
the Boundary, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 784-787.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Foliations of Codimension 1, by S. P. Novikov,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 788-790.

Amer Math Soc 2
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Topological Characteristics of Solutions of Multi-dimensional Differential Equations, by A. I.

Perov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 791-794.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Semiriemannian Geometry Applied to Unified Field
Theory, by R. I. Pimenov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 795-797.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Elliptic Problems with Inhomogeneous Conditions
at the Boundary and a Local Increase of Smooth-
ness of Generalized Solutions up to the Boundary,
by Ya. A. Roytberg, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 798-801.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Metric Properties of Plane Univalent Mappings of
Closed Regions, by G. D. Suvorov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 802-805.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Reconstruction of an Analytic Function From the
Values of its Gel'fond Generalized Derivatives at
a Point, by N. N. Suprun, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 806-809.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Infinitesimal Deformations of Surfaces with
Bush Constraints, by V. T. Fomenko, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 4, 1964, pp 810-813.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Three-Dimensional Flow Around Blunt Bodies With
Allowances for Equilibrium Physico-Chemical Reactions.
by Yu. N. D'yakov.

RUSSIAN, per Dokl. AN SSSR, Vol. 187, No. 6, 1964.

pp 822-825

NLL/0015.49 1965 (501)

Sci -
Sep 67

501-011

Some Synthetic Potassium
Zeolites and the Composition
of Them, by S. P. Zhdanov, et al.
RUSSIAN, per, Dok Akad Nauk SSSR,
Vol CLVII, No 4, 1964, pp 913-916.
NII 1-35-65

Sci-341
Aug. 65

287,445

Study of the Reaction of Oxygen Atoms with Methanol,
by V. V. Azatyan, A. B. Nalbandyan, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Bol CLVII, No 4, Jul, Aug, 1964, pp 930-933.

CB

Sic
Jun 65

The Mossbauer Effect in Nonsymmetrical Organic
Tin Compounds Containing Electron-Donnor Substituents,
by A. Yu. Aleksandrov, O. Yu. Okhlobystin, et al,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 4, Jul, Aug, 1964, pp 934-937

CB

Sci
Jun 65

Variation of the Phase Composition of Pyro-
cerams under the Influence of Rays, by S. M.
Brekhovskikh, L. M. Landa, et al, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 4, Jul, Aug, 1964, pp 938-939.

CB

Sci
Jun 65

Theory of the Thermomolecular Pressure Drop and
Thermotranspiration (Thermal Osmosis) of Gases
in Moderately Broad Capillaries, by B. V. Deryagin,
Yu. I. Yalamov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 4, Jul, Aug, 1964, pp 940-943

CB

Sci
Jun 65

Structure and Capacitance of the Metal-Fused Salt
Interface, by R. R. Dogonadze, Yu. A. Chizmadzhev,
4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 4, Jul, Aug, 1964, pp 944-947.

CB

Sci
Jun 65

Temperature Changes in the Large Period in Oriented
Polymers, by Yu. A. Zubov, D. Ya. Tsvankin, et al,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 4, Jul, Aug, 1964, pp948-950.

CB

Sci

13 Aug 65

On the Thermodynamics of Complex Carbides $(Fe_xMo_y)_2C$,
by Yu. N. Surovoy,
V. I. Alekseyev, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol. CLVII, No 4, Jul, Aug, 1964, pp 951-953.

CB

Sci
Jun 65

On the Anodic Overprotection of Titanium in
Hydrochloric Acid, by M. N. Fokin, R. L. Baru,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 4, Jul, Aug, 1964, pp 954-956,

CB

Sci
Jun 65

Study of the Structure of the Electric Double
Layer on Gallium by the Method of Measuring the
Differential Capacitance, B. A. N. Frumkin, N. B.
Grigor'yev, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, no 4, Jul, Aug, 1964 pp 957-960.

CB

Sci
Jun 65

Mechanism of the Weakening of a Coal Mass During
its Moistening, by V. N. Shilenkov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology, Vol CLVII, No 4, May-Aug 1964, pp
961-963.

CB

Jul 65

Cytology of Radiation Gynogenesis and Androgenesis
in the Loach (*Misgurnus Fossilis* L.), by
D. D. Romashov, V. N. Belyayeva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 4, Jul, Aug; 1964, pp 964-967.

CB

Sci
Sep 65

Lactic Acid Homofermentation in the Presence
of Accessory Hydrogen Acceptors,
by V. N. Shaposhnikov, E. N. Krasil'nikova,
2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 4, Jul, Aug 1964, pp 968-971.

CB

Sci
Sep 65

Nucleic Acid Content in Escherichia Coli of
Various Radioresistance, by V.D. Zhestovnikov,
7pp
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol CIVIL
No 4, Moscow, 1964, pp 975-978 ~~977~~ 978
JPRS 17239

Sci-Biol & Med
Jan 65

171110

Radiative Disintegration of DNA (Desoxyribonucleic Acid) as an Experimental Model for Evaluating the Effectiveness of Radiation-Protective Agents,
by E. Ye. Kruglyakova, N.V. Nikolayeva, et al.,
Gpp
RUSSIAN, per, Doklady Akademii Nauk SSSR, Moscow,
Vol CLVII, No 4, 1964, pp 979-981
JPRS 27239

Sci-Glenn
Jan 65

AT1121

The Investigation of Internal Speech in
Patients with Disturbances of the Function of
the Articulatory Analyzer, by N. A. Kryshova,
K. M. Shteyngart, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CIVII, No 4, Jul, Aug 1964, pp 998-1000.

CB

Sci.
Sep 65

Action of Adrenalin and Cortisone Acetate on
the Mitotic Activity of the Epithelium of
the Reproductive Organs and Mammary Gland,
by S. S. Laguchev, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 4, Jul, Aug 1964, pp 1001, 1002.

(CB

Sci
Sep 65

The Melanophore Reaction of Amphibians during
Modification of the State Nervous System by
Neurotropic Drugs, by B. E. Mel'nik, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol. CLVII, No 4, Jul, Aug 1964, pp 1003-1005.

CB

Sci.
Sep 65

Kinetics of Accumulation of Substances in
Biological Systems Characterized by Free
Penetration and Subsequent Breakdown,
by V. A. Filov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 4, Jul, Aug 1964, pp 1006-1009.
CB

Sci
Sep 65

The Transport Problem with Respect to Time in the
Theory of Graphs, by V. A. Evstigneyev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 814-815.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,510

Some Singularities of the Fracture of Ores
Under the Effect of Static Impact, and Pulsating
Stress, by S. A. Pankratov, G. D. Khlebnikov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 816-819.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

278,511

Sci
Mar 65

Investigation of Gas Streams by Electron Beam
Method, by A. M. Trokhan.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 820-821.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,512

Three Dimensional Flow Around Blunt Bodies With
Allowance for Equilibrium Physico-Chemical Reactions,
by V. N. Duvinskyy, 6 pp
RUSSIAN, Izv. Akad. Nauk SSSR, Vol CLVII, No 4,
1964, pp 812-823. 9226712
NASA TT E-801

*Ussr Inst of Phys
Sov Phys - Doklady
Vol IV, No 8*

Sci-Bar Sci & Astron
Feb 65

273,163

Infrared Radiation Coefficients and Differences in
the Parameters $\alpha = (2\pi/\lambda)^2$ for the Seas and
Continents on the Moon's Surface, by M. N. Markov,
V. L. Shadrin, et al., 1964
RUSSIAN, Dokl. Akad. Nauk SSSR, Vol CLX I,
No 4, 1 Aug 1964, pp 828-829.
JPRS 28321

Sci - Earth Sci & Astron
Oct 64

*Ames div of Phys
Sov Phys - Earthly
Vol IX, N. 8
267,919*

Shadow Diffraction Method for Determining the
Phase Difference at a Discontinuity in a Plane
Wave Front, by L. A. Vasilyev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 830-833.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,515

Relation of Atomic Characteristics to Thermo-
electric Conversion Coefficients for the
Monocarbides and Mononitrides of Transition
Metals, by V. S. Neshpor, G. V. Samsonov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 834-836.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 3

278,516

Sci
Mar 65

Experimental Study of Electrical Explosion, by
B. P. Perehud, K. B. Abramova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 837-840.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

278,517

Sci
Mar 65

Scattering of Current Carriers at Optical
Vibrations, by A. G. Samoilovich, I. V.
Gvozdevskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 841-844.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci

278,518

Mar 65

Effect of a Surface-Active Medium on the Fine
Crystal Structure of Iron During Hardening by
Plastic Deformation, by B. I. Kostetskiy, L. F.
Kolesnichenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 845-848.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,519

Change in the Shape of the Surface of Contact
Between a Rigid Sphere and an Elastic Plane
During Sliding Friction, by P. Ya. Sukennik, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 849-851.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

278,520

Sci
Mar 65

Derandomization of Optimal Strategies in
Antagonistic Games with Bluffing, by I. V.
Romanovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1066-1068,

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,521

Spin Formula for the Schrodinger Many-Particle
Equation, by F. A. Berezin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1069-1072.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci

Mar 65

278,522

Conditions Under which Scattering Matrices are
Analytic, by A. G. Ramm, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, no 4-6, Aug 1964, pp 1073-1076.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 6

Sci
Mar 65

278,525

Configuration Statistics of High-Molecular-Weight
Chains, by B. N. Baranov, I. P. Pavlotskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1077-1079.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,524

The Formulation of the Problem of Scattering
at a Finite Distance, by R. G. Barantsev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1080-1083.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 3

Sci
Mar 65

2
278,525

A Regenerative Optical Quantum Amplifier, by
N. G. Basov, A. Z. Grasyuk, I. G. Zubarev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1034-1037,

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,520

One Problem Now Under Solution in the Theory of
Plasma Turbulence, by A. A. Galeev, V. I.
Karpman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1088-1091.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,527

Wave Functions and Electron Terms of the
Molecular Hydrogen Ion, by A. A. Ovchinnikov,
A. D. Sukhanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CIVII, No 4-6, Aug 1964, pp 1092-1095.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,528

Calculation of Decay in Weak Interactions, by
A. A. Sokolov, Yu. P. Ivanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1096-1099.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,529

Calculation of the Kinetics of Dissolution of a
Spherical Inclusion by Diffusion, by I. P.
Garkusha, B. Ya. Lyubov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1100-1102.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,530